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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/791,929	03/02/2004	Curtis B. Johnson	H0006338-0779	3823
75	7590 04/19/2006		EXAMINER	
Kris T. Fredrick			BROWN, VERNAL U	
Honeywell Inter	mational. Inc.			
101 Columbia Rd. P.O. Box 2245 Morristown, NJ 07962			ART UNIT	PAPER NUMBER
			2612	
			DATE MAILED: 04/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/791,929	JOHNSON ET AL.				
		Examiner	Art Unit				
		Vernal U. Brown	2612				
Period fo	The MAILING DATE of this communication apported in the poly	pears on the cover sheet with the c	orrespondence address				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICED FOR REPLICED IN A CONTRESS CONTREST CONTRESS CONTREST CONTRESS CONTREST CONTRESS C	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 30 Ja	anuarv 2006.					
• —	This action is FINAL . 2b) ☐ This action is non-final.						
′=	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4)⊠	☑ Claim(s) <u>1-20</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.						
6)⊠	☑ Claim(s) <u>1-20</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)□							
Applicati	on Papers						
9)[The specification is objected to by the Examine	er.					
10)	The drawing(s) filed on is/are: a)☐ acc	epted or b) \square objected to by the E	Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority ι	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 							
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
	e of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-15)							
Pape	r No(s)/Mail Date	6) Other:	and the same of th				

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DETAILED ACTION

This action is responsive to communication filed on January 30, 2006.

Response to Amendment

The examiner has acknowledged the amended claim 11.

Response to Arguments

Applicant's arguments filed January 30, 2006 have been fully considered but they are not persuasive.

Regarding applicant's argument on page 8, regarding the association of transceiver 68 with the latch 22, the transceiver is use to receiver identification signal for authenticating the operation of the latch (col. 4 line 64-col. 5 line 9).

Applicant's argument on page 8 regarding the interface component, elements 90 and 70 is the transceiver interface signal and the hardware component of the interface to the transceiver is provided by antenna 72.

Regarding applicant's argument on page 9 regarding the interpreter, the examiner considers the controller 66 as the functional equivalent to the interpreter as claimed. The controller received the response message and extracts the identification code from the received message and provide the control signal to the lock mechanism when the received security code matches the stored code (col. 4 line 65-col. 5 line 9). The controller therefore performs the interpreting function by translating the received message into a control signal to the lock.

Regarding applicant's argument on page 14 regarding the interpreter comprises logic array, the reference of Steiner teaches the use of a microprocessor to perform the function of the

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controller (col. 1 lines 51-53). The controller 66 also represents a circuit module that inherently includes an array of logic for implementing the circuit functions.

Regarding applicant's argument on page regarding the voltage level shifter, the reference of Heaston et al. teaches the use of a voltage level shifter in the form of a transistor for transforming a voltage to a desired level (col. 6 lines 21-30).

Regarding applicant's argument on pages 17-18 regarding claim 6, the reference of Knight is relied upon Knight et al. is relied upon for teaching the use of a UART in the vehicle communication interface (paragraph 00189) and the UART transmits in parallel by assembling the bit received into bytes and transmitting the assembled bytes to the processor (paragraph 0188). Knight et al. further teaches integrating the UART and having the UART separate (paragraph 0164)

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 and 11, 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steiner US Patent 6577226 in view of Lightner et al. US Patent 6732031.

Regarding claims 1-3, 11, 13-16, Steiner teaches a latch communications system (figure 2), comprising: a communications receiver and transmitter unit (68) associated with a latch (22);

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an interface component (72) for interfacing with said communications receiver and transmitter unit (col. 4 lines 41-45, col. 4 lines 62-65), wherein said interface component is co-located with said communications receiver and transmitter unit in association with said latch in the vehicle door 18 as shown in figure 2; an interpreter (66) associated with the interface component and the communications and transmitter unit, wherein said interpreter processes information received from said communications receiver and transmitter unit in order to provide latch functionalities (col. 4 lines 38-45). The controller received the response message and extracts the identification code from the received message and provide the control signal to the lock mechanism when the received security code matches the stored code (col. 4 line 65-col. 5 line 9). The controller therefore performs the interpreting function by translating the received message into a control signal to the lock. Steiner is silent on teaching providing latch diagnostics. Lightner in an art related vehicle diagnostic system for vehicle invention teaches a host computer (12) interfacing with a vehicle system for providing diagnostic including the status of the door lock system (col. 6 lines 36-40) in order to characterized a vehicle performance and to detect problem relating to the operation of the vehicle.

It would have been obvious to one of ordinary skill in the art for the interpreter to provide latch diagnostics in Steiner as evidenced by Lightner et al. because Steiner teaches a wireless control system for a vehicle for controlling the vehicle functionalities and teaches a host computer interfacing with a vehicle system for providing diagnostic including the status of the door lock system in order to characterized a vehicle performance and to detect problem relating to the operation of the vehicle.

Regarding claims 4 and 17, Steiner teaches a wired connection between the interpreter 66 and the transceiver 68 as shown in figure 2.

Claims 5 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steiner US Patent 6577226 in view of Lightner et al. US Patent 6732031 and further in view of Heaston et al. US patent 5748422.

Regarding claims 5 and 18, Steiner teaches a wired connection between the interpreter 66 and the transceiver 68 as shown in figure 2 but is silent on teaching a voltage level shifter for transforming voltage level for communication with the interface component. Heaston et al. in an art related power latch invention teaches the use of a voltage level shifter for transforming a voltage to a desired level (col. 6 lines 21-30) in order to satisfy the voltage level requirement of an interface unit.

It would have been obvious to one of ordinary skill in the art to have a voltage level shifter in Steiner in view of Lightner et al. as evidenced by Heaston et al. because Onuma et al suggests an interpreter interfacing with the transceiver and Heaston et al. teaches the use of a voltage level shifter for transforming a voltage to a desired level in order to satisfy the voltage level requirement of an interface unit.

Claims 6-10, 12, and 19-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steiner US Patent 6577226 in view of Lightner et al. US Patent 6732031 and further in view of Knight et al. US Patent 20030167345.

Regarding claims 6-10, 12, and 19-20, Steiner teaches an interface for transmitting and receiving data between the transceiver 68 and the controller (interpreter) 66 as shown in figure 2

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but is silent on teaching the interface comprises a UART. Knight et al. in an art related vehicle communication system invention teaches the use of a UART in the vehicle communication interface (paragraph 00189) and the UART transmits in parallel by assembling the bit received into bytes and transmitting the assembled bytes to the processor (paragraph 0188). Knight et al. further teaches integrating the UART and having the UART separate (paragraph 0164) based on the desired application.

It would have been obvious to one of ordinary skill in the art for the interface to comprise a UART in Steiner in view of Lightner et al. as evidenced Knight et al. because Steiner suggests an interface for transmitting and receiving data between the transceiver 68 and the controller and Knight teaches the use of a UART in a vehicle communication system in order to facilitate the transfer of data between devices with different communication protocol.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vernal U. Brown whose telephone number is 571-272-3060. The examiner can normally be reached on 8:30-7:00 Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's 7308 supervisor, Wendy Garber can be reached on 571-272-3998. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Vernal Brown April 3, 2006

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